

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	41	(30/32-84.ccls. or 30/526-541.ccls.) and ((length same percent\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 11:37
L2	7	(30/32-84.ccls. or 30/526-541.ccls.) and ((length same percent\$4 same cartridge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 11:36
L3	15	(30/32-84.ccls. or 30/526-541.ccls.) and (((length or distance) same percent\$4 same cartridge))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 11:37
L4	53	(30/32-84.ccls. or 30/526-541.ccls.) and (((length or distance) same percent\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/10 11:38
S1	103	("4422237" "6082007" "6141875" "5347714" "5661907" "6164290" "6434828" "6305809" "4276635" "4382668" "4406470" "4519063" "5650990" "5802721" "5517760" "6145201" "6216345" "6216345" "4586255" "5025928" "5524346" "5575068" "5636442" "5782346" "5781997" "5953819" "6055731" "6112412" "6182366" "6629475" "6957598" "4841635" RE30913 "4409735" "5567071" "5597253" "6434839" "6442850" "4253235" "6022611" "4257161" "5970616" "5333383" "5341571" "5524347" "5551155" "5590468" "4335508" "4443940" "4903405").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/22 13:07

## EAST Search History

S2	455	( "1290664" "1479690" "1734554" "1777914" "1821825" "1853867" "1890334" "1911996" "1999060" "2043124" "2052395" "2078150" "2083172" "2094240" "2118498" "2132293" "2141339" "2263885" "2275517" "2309549" "2353599" "2593307" "2662281" "2704397" "2720695" "2807084" "2837820" "2848806" "2863213" "2934776" "20020144404" "3061926" "3111757" "3137939" "3172202" "3259978" "3299508" "3358368" "3383764" "3391451" "3412465" "3413720" "3593416" "3600804" "3626591" "3703765" "3795955" "3795979" "3810305" "3823471" "3972115" "4017970" "4270268" "4281456" "4285124" "4378633" "4378634" "4442598" "4446619" "4488357" "4492024" "4493025" "4498235" "4501066" "4534110" "4535537" "4551916" "4573266" "4586255" "4621424" "4809432" "4831731" "4901437" "4903405" "4970784" "4993154" "5018274" "5027511" "5029390" "5063667" "5067238" "5113585" "5157834" "5167069" "5199173" "5205040" "5236439" "5269062" "5282814" "5307564" "5333383" "5365881" "5454164" "5458025" "5522137" "5531401" "5533263" "5560106" "5575068" "5579580" "5661907" "5687485" "5701788" "5704127" "5761814" "5784790" "5787586" "5794354" "5813293" "5822869" "5855071" "5865189" "5915791" "5918369" "5956851" "6009624" "6026577" "6029354" "6035537" "6044542" "6052903" "6141875" "6145201" "6185823" "6192586" "6212777" "6216345" "6237232" "6272061" "6276061" "6418623" "6449849" "6523660" "6598303" "6601272" "6629475" "6651342" "6675479" "0939935" "D137220" "D160536" "D204672" "D215915" "D215995" "D216657" "D216658" "D217752" "D219699" "D228315" "D234648" "D239060" "D239742" "D241382" "D271531" "D271625" "D303023" "D306915" "D307334" "D310889" "D312143" "D313672" "D318142" "D327550" "D343026" "D346042" "D353020" "D363141" "D364706" "D369437" "D392417" "D392418" "D396120" "D397512" "D403112" "D404527" "D406393" "D407849" "D407850" "D408101" "D416108" "D416646" "D417034" "D417851" "D422117" "D429034" "D431680" "D431681" "D431682" "D431683" "D431684" "D431685" "D431686" "D431687" "D431688" "D431689" "D431690" "D431691" "D431692" "D431693" "D431694" "D431695" "D431696" "D431697" "D431698" "D431699" "D431700" "D431701" "D431702" "D431703" "D431704" "D431705" "D431706" "D431707" "D431708" "D431709" "D431710" "D431711" "D431712" "D431713" "D431714" "D431715" "D431716" "D431717" "D431718" "D431719" "D431720" "D431721" "D431722" "D431723" "D431724" "D431725" "D431726" "D431727" "D431728" "D431729" "D431730" "D431731" "D431732" "D431733" "D431734" "D431735" "D431736" "D431737" "D431738" "D431739" "D431740" "D431741" "D431742" "D431743" "D431744" "D431745" "D431746" "D431747" "D431748" "D431749" "D431750" "D431751" "D431752" "D431753" "D431754" "D431755" "D431756" "D431757" "D431758" "D431759" "D431760" "D431761" "D431762" "D431763" "D431764" "D431765" "D431766" "D431767" "D431768" "D431769" "D431770" "D431771" "D431772" "D431773" "D431774" "D431775" "D431776" "D431777" "D431778" "D431779" "D431780" "D431781" "D431782" "D431783" "D431784" "D431785" "D431786" "D431787" "D431788" "D431789" "D431790" "D431791" "D431792" "D431793" "D431794" "D431795" "D431796" "D431797" "D431798" "D431799" "D431800" "D431801" "D431802" "D431803" "D431804" "D431805" "D431806" "D431807" "D431808" "D431809" "D431810" "D431811" "D431812" "D431813" "D431814" "D431815" "D431816" "D431817" "D431818" "D431819" "D431820" "D431821" "D431822" "D431823" "D431824" "D431825" "D431826" "D431827" "D431828" "D431829" "D431830" "D431831" "D431832" "D431833" "D431834" "D431835" "D431836" "D431837" "D431838" "D431839" "D431840" "D431841" "D431842" "D431843" "D431844" "D431845" "D431846" "D431847" "D431848" "D431849" "D431850" "D431851" "D431852" "D431853" "D431854" "D431855" "D431856" "D431857" "D431858" "D431859" "D431860" "D431861" "D431862" "D431863" "D431864" "D431865" "D431866" "D431867" "D431868" "D431869" "D431870" "D431871" "D431872" "D431873" "D431874" "D431875" "D431876" "D431877" "D431878" "D431879" "D431880" "D431881" "D431882" "D431883" "D431884" "D431885" "D431886" "D431887" "D431888" "D431889" "D431890" "D431891" "D431892" "D431893" "D431894" "D431895" "D431896" "D431897" "D431898" "D431899" "D431900" "D431901" "D431902" "D431903" "D431904" "D431905" "D431906" "D431907" "D431908" "D431909" "D431910" "D431911" "D431912" "D431913" "D431914" "D431915" "D431916" "D431917" "D431918" "D431919" "D431920" "D431921" "D431922" "D431923" "D431924" "D431925" "D431926" "D431927" "D431928" "D431929" "D431930" "D431931" "D431932" "D431933" "D431934" "D431935" "D431936" "D431937" "D431938" "D431939" "D431940" "D431941" "D431942" "D431943" "D431944" "D431945" "D431946
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## EAST Search History

S3	202	(30/59).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/22 13:31
S4	2	("0000065").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/22 13:32
S5	2	("0000001").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/22 13:32
S6	131	(30/65).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/02/22 13:36
S7	41	(30/32-84.ccls. or 30/526-541.ccls.) and ((guard or fin) with elastomeric with front)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:34
S8	542	30/34.2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/22 14:02
S9	734	30/34.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/22 14:02
S10	642	(30/32-84.ccls. or 30/526-541.ccls.) and ((guard or fin) with front)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/22 14:12
S11	97	(30/32-84.ccls. or 30/526-541.ccls.) and ((guard or fin) with front with (percent or cm or mm or millimeters or centimeters or in or inches))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/22 14:13
S12	10	"30"/\$.ccls. and (fin with shore with hardness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/22 14:57

## EAST Search History

S13	25	(30/32-84.ccls. or 30/526-541.ccls.) and ((weight near2 percent\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/24 10:42
S14	55	apprille.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/04 18:11
S15	0	apprille.in. and (front near distance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/04 18:11
S16	10	apprille.in. and (distance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/04 18:11
S17	3	wo9310947	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 14:16
S18	18	("3138865"   "4310968"   "5067238"   "5191712"   "5249361"   "5416973"   "5426851"   "5526567"   "5546660"   "5661907"   "5666729"   "5711076"   "5794343"   "5915791"   "5918369"   "5953819"   "6182365").PN. OR ("6651342").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 14:37
S19	38	("2814104"   "3138865"   "3500539"   "3768161"   "4044463"   "4498235"   "4586255"   "4621424"   "4914817"   "D290050").PN. OR ("5067238").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 14:40
S20	21	"30"/\$.ccls. and (shore near hardness)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 14:42
S21	61	"30"/\$.ccls. and (shore near2 hard\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 14:44
S22	67	"30"/\$.ccls. and (shore near3 hard\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/07 14:44

## EAST Search History

S23	268	"30"/\$.ccls. and (guard near3 (thick\$4 or width or skinnier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 17:36
S24	169	(30/32-84.ccls. or 30/526-541.ccls.) and (guard near3 (thick\$4 or width or skinnier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 17:37
S25	152	(30/32-84.ccls. or 30/526-541.ccls.) and (guard near3 (thick\$4 or width or skinnier) and (elastomeric or rubber or razor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 17:38
S26	28	(30/32-84.ccls. or 30/526-541.ccls.) and (guard near3 (thick\$4 or width or skinnier) and (elastomeric or rubber))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 18:05
S27	4	(30/32-84.ccls. or 30/526-541.ccls.) and (guard near3 (mm or inches) and (elastomeric or rubber))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 18:29
S28	35	(30/32-84.ccls. or 30/526-541.ccls.) and (detachable near3 cartridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:08
S29	586	d28/46.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:10
S30	125	d28/45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:12
S31	1265	armbruster.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:12
S32	17	"30"/\$.ccls. and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:36

## EAST Search History

S33	2303	("30"/\$.ccls. or d/28\$.ccls.) and (walker.in. near vincent or keene.in. near andrew or worrick.in. charles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:37
S34	2671	("30"/\$.ccls. or d28/\$.ccls.) and (walker.in. near vincent or keene.in. near andrew or worrick.in. charles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:37
S35	13	("30"/\$.ccls. or d28/\$.ccls.) and (walker.in. near vincent or keene.in. near andrew or worrick.in. near charles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/07 19:38